

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended): A method of driving a liquid crystal display, comprising:
modulating a first set of source data and supplying the modulated source data to a display panel at an initial period of one frame interval, wherein modulating the source data includes selecting a gray scale voltage level corresponding to the source data;

delaying the first set of source data while supplying the modulated source data to the display panel; and

applying a black voltage as black data to the display panel for at least a portion of the rest period of the frame interval, the black voltage allowing a black picture to be displayed on the display panel.

Claim 2 (Previously Presented): The method according to claim 1, further comprising applying the delayed source data to the display panel in such a manner that the delayed source data are positioned between the modulated source data and the black data within the frame interval.

Claim 3 (Currently Amended): The method according to claim 1, wherein ~~the modulated~~ modulating the source data includes selecting a grey scale voltage based on the include most significant bits of the source data.

Claim 4 (Currently Amended): The method according to claim 1, wherein ~~the modulated~~ modulating the source data includes selecting a grey scale voltage based on all of the include ~~entire~~ bits of the source data.

Claim 5 (Original): The method according to claim 1, further comprising alternatively switching the modulated source data and the black data to apply to the display panel.

Claim 6 (Previously Presented): The method according to claim 1, further comprising sequentially switching the modulated source data, the delayed source data, and the black data to apply to the display panel.

Claim 7 (Previously Presented): The method according to claim 1, further comprising delaying the source data during applying the modulated source data and the black data to the display panel.

Claim 8 (Currently Amended): An apparatus for driving a liquid crystal display, comprising:

a modulator modulating ~~a first set of~~ source data and supplying the modulated source data to a display panel at an initial period of one frame interval, wherein the modulator includes a look-up table;

a delay circuit delaying the ~~first set of~~ source data while the modulator supplying the modulated source data to the display panel; and

a black voltage generator generating a black voltage as black data to apply to the display panel for at least a portion of the rest period of the one frame interval, the black voltage allowing a black picture to be displayed on the display panel.

Claim 9 (Previously Presented): The apparatus according to claim 8, further comprising a source data provider providing the delayed source data to the display panel in such a manner that the source data are positioned between the modulated source data and the black data.

Claim 10 (Original): The apparatus according to claim 8, wherein the modulator modulates most significant bits of the source data.

Claim 11 (Currently Amended): The apparatus according to claim 8, wherein the modulator modulates all of the entire bits of the source data.

Claim 12 (Original): The apparatus according to claim 8, further comprising a switch alternatively switching the modulated source data and the black data to apply to the display panel.

Claim 13 (Previously Presented): The apparatus according to claim 8, further comprising a switch sequentially switching the modulated source data, the delayed source data, and the black data to apply to the display panel within the one frame interval.

Claim 14 (Previously Presented): The apparatus according to claim 8, wherein the delay circuit delaying the source data while the modulated source data and the black data are applied to the display panel.

Claim 15 (Previously Presented): The apparatus according to claim 12, further comprising:

a data driver applying the modulated source data and the black data from the switch to the display panel;

a scanning driver applying a scanning signal to the display panel; and

a timing controller applying the source data to the modulator, and controlling the data driver, the scanning driver, and a switching time of the switch.

Claim 16 (Currently Amended): The apparatus according to claim ~~[[13]]~~ 12, further comprising:

a data driver applying the modulated source data, the delayed source data, and the black data from the switch to the display panel;

a scanning driver applying a scanning signal to the display panel; and

a timing controller applying the source data to the modulator and the delay circuit, and controlling the data driver, the scanning driver, and a switching time of the switch.

Claim 17 (Original): The apparatus according to claim 12, wherein the black data are applied at about $\frac{1}{2}$ of the one frame interval.

Claim 18 (Previously Presented): The apparatus according to claim 13, wherein the modulated source data, the delayed source data and the black data are applied at about $1/3$, $1/3$ and $1/3$ of the one frame interval, respectively.

Claim 19 (Currently Amended): A liquid crystal display comprising:

a liquid crystal display panel displaying images;

a data modulator modulating ~~a first set of~~ source data and supplying the modulated source data to the liquid crystal display at an initial period of one frame interval, wherein the data modulator selects a gray scale voltage level corresponding to the source data;

a delay circuit for delaying the ~~first set of~~ source data while the data modulator supplying the modulated source data to the liquid crystal display;

a black voltage generator generating a black voltage as black data allowing a black picture on the display panel at least for a portion of the rest period of the one frame interval;

a switch switching at least the modulated source data and the black data;

a data driver applying the modulated source data and the black data from the switch to the liquid crystal display panel;

a scanning driver applying scanning signal to the liquid crystal display panel; and

a timing controller applying the source data to the modulator and controlling the data driver, the scanning driver, and a switching time of the switch.

Claim 20 (Previously Presented): The liquid crystal display according to claim 19, wherein the switch switches among the modulated source data, the delayed source data and the black data, so that the delayed source data are applied between the modulated source data and the black data within the one frame interval.